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TECH CENTER 1600/2900



1600

## RAW SEQUENCE LISTING

DATE: 02/26/2003

PATENT APPLICATION: US/09/281,760E

TIME: 15:01:12

Input Set : A:\seqlisting.2002.09.04.txt

Output Set: N:\CRF4\02262003\I281760E.raw

4 <110> APPLICANT: Lawton, Robert  
5 Mermer, Brion  
6 Francoeur, Greg  
9 <120> TITLE OF INVENTION: Specific Binding Protein for Treating  
10 Canine Allergy  
12 <130> FILE REFERENCE: 01-1275A  
14 <140> CURRENT APPLICATION NUMBER: 09/281,760E  
15 <141> CURRENT FILING DATE: 1999-03-30  
17 <150> PRIOR APPLICATION NUMBER: 09/058,331  
18 <151> PRIOR FILING DATE: 1998-04-09  
20 <160> NUMBER OF SEQ ID NOS: 39  
22 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 5  
26 <212> TYPE: PRT  
27 <213> ORGANISM: Canis familiaris  
29 <220> FEATURE:  
30 <221> NAME/KEY: PEPTIDE  
31 <222> LOCATION: (2)...(3)  
32 <223> OTHER INFORMATION: Xaa = any amino acid  
34 <400> SEQUENCE: 1

W--&gt; 35 Leu Xaa Xaa Tyr Arg

36 1 5  
38 <210> SEQ ID NO: 2  
39 <211> LENGTH: 5  
40 <212> TYPE: PRT  
41 <213> ORGANISM: Canis familiaris  
43 <220> FEATURE:  
44 <221> NAME/KEY: PEPTIDE  
45 <222> LOCATION: (3)...(4)  
46 <223> OTHER INFORMATION: Xaa = Any amino acid  
48 <400> SEQUENCE: 2

W--&gt; 49 Tyr Arg Xaa Xaa Leu

50 1 5  
52 <210> SEQ ID NO: 3  
53 <211> LENGTH: 8  
54 <212> TYPE: PRT  
55 <213> ORGANISM: Canis familiaris  
57 <220> FEATURE:  
58 <221> NAME/KEY: PEPTIDE  
59 <222> LOCATION: (2)...(3)  
60 <223> OTHER INFORMATION: Xaa = Any amino acid  
62 <220> FEATURE:

ENTERED

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63 <221> NAME/KEY: PEPTIDE  
 64 <222> LOCATION: (6)...(7)  
 65 <223> OTHER INFORMATION: Xaa = Any amino acid  
 67 <400> SEQUENCE: 3

W--&gt; 68 Leu Xaa Xaa Tyr Arg Xaa Xaa Leu

69 1 5  
 71 <210> SEQ ID NO: 4  
 72 <211> LENGTH: 7  
 73 <212> TYPE: PRT  
 74 <213> ORGANISM: Canis familiaris  
 76 <400> SEQUENCE: 4  
 77 Thr Leu Leu Glu Tyr Arg Met  
 78 1 5  
 80 <210> SEQ ID NO: 5  
 81 <211> LENGTH: 11  
 82 <212> TYPE: PRT  
 83 <213> ORGANISM: Canis familiaris  
 85 <400> SEQUENCE: 5  
 86 Gly Met Asn Leu Thr Trp Tyr Arg Glu Ser Lys  
 87 1 5 10

89 <210> SEQ ID NO: 6  
 90 <211> LENGTH: 9  
 91 <212> TYPE: PRT  
 92 <213> ORGANISM: Canis familiaris  
 94 <220> FEATURE:  
 95 <221> NAME/KEY: PEPTIDE  
 96 <222> LOCATION: (2)...(3)  
 97 <223> OTHER INFORMATION: Xaa = Any amino acid  
 99 <220> FEATURE:  
 100 <221> NAME/KEY: PEPTIDE  
 101 <222> LOCATION: (6)...(8)  
 102 <223> OTHER INFORMATION: Xaa = Any amino acid  
 104 <400> SEQUENCE: 6

W--&gt; 105 Cys Xaa Xaa Pro His Xaa Xaa Xaa Cys

106 1 5  
 108 <210> SEQ ID NO: 7  
 109 <211> LENGTH: 16  
 110 <212> TYPE: PRT  
 111 <213> ORGANISM: Canis familiaris  
 113 <400> SEQUENCE: 7  
 114 Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly  
 115 1 5 10 15  
 117 <210> SEQ ID NO: 8  
 118 <211> LENGTH: 14  
 119 <212> TYPE: PRT  
 120 <213> ORGANISM: Canis familiaris  
 122 <400> SEQUENCE: 8  
 123 Ser Ala Cys Pro Asn Pro His Asn Pro Tyr Cys Gly Gly Gly  
 124 1 5 10

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```

126 <210> SEQ ID NO: 9
127 <211> LENGTH: 9
128 <212> TYPE: PRT
129 <213> ORGANISM: Canis familiaris
131 <220> FEATURE:
132 <221> NAME/KEY: PEPTIDE
133 <222> LOCATION: (2)...(2)
134 <223> OTHER INFORMATION: Xaa = Any amino acid
136 <220> FEATURE:
137 <221> NAME/KEY: PEPTIDE
138 <222> LOCATION: (5)...(5)
139 <223> OTHER INFORMATION: Xaa = Any amino acid
141 <220> FEATURE:
142 <221> NAME/KEY: PEPTIDE
143 <222> LOCATION: (7)...(8)
144 <223> OTHER INFORMATION: Xaa = Any amino acid
146 <400> SEQUENCE: 9
W--> 147 Cys Xaa Pro His Xaa Pro Xaa Xaa Cys
148 1 5
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 14
152 <212> TYPE: PRT
153 <213> ORGANISM: Canis familiaris
155 <400> SEQUENCE: 10
156 Ser Ala Cys His Pro His Leu Pro Lys Ser Cys Gly Gly Gly
157 1 5 10
159 <210> SEQ ID NO: 11
160 <211> LENGTH: 12
161 <212> TYPE: PRT
162 <213> ORGANISM: Canis familiaris
164 <400> SEQUENCE: 11
165 Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys
166 1 5 10
168 <210> SEQ ID NO: 12
169 <211> LENGTH: 17
170 <212> TYPE: PRT
171 <213> ORGANISM: Canis familiaris
173 <400> SEQUENCE: 12
174 Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly
175 1 5 10 15
176 Lys
179 <210> SEQ ID NO: 13
180 <211> LENGTH: 7
181 <212> TYPE: PRT
182 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 13
185 Val Asn Leu Thr Trp Ser Arg
186 1 5
188 <210> SEQ ID NO: 14

```

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189 <211> LENGTH: 11  
190 <212> TYPE: PRT  
191 <213> ORGANISM: Felis catus  
193 <400> SEQUENCE: 14  
194 Gly Met Thr Leu Thr Trp Ser Arg Glu Asn Gly  
195 1 5 10  
197 <210> SEQ ID NO: 15  
198 <211> LENGTH: 11  
199 <212> TYPE: PRT  
200 <213> ORGANISM: Canis familiaris  
202 <400> SEQUENCE: 15  
203 Gly Met Asn Leu Thr Trp Ser Arg Glu Ser Lys  
204 1 5 10  
206 <210> SEQ ID NO: 16  
207 <211> LENGTH: 9  
208 <212> TYPE: PRT  
209 <213> ORGANISM: Canis familiaris  
211 <400> SEQUENCE: 16  
212 Cys Pro Asn Pro His Ile Pro Met Cys  
213 1 5  
215 <210> SEQ ID NO: 17  
216 <211> LENGTH: 9  
217 <212> TYPE: PRT  
218 <213> ORGANISM: Canis familiaris  
220 <400> SEQUENCE: 17  
221 Cys Pro Asn Pro His Asn Pro Tyr Cys  
222 1 5  
224 <210> SEQ ID NO: 18  
225 <211> LENGTH: 9  
226 <212> TYPE: PRT  
227 <213> ORGANISM: Canis familiaris  
229 <400> SEQUENCE: 18  
230 Cys His Pro His Leu Pro Lys Ser Cys  
231 1 5  
233 <210> SEQ ID NO: 19  
234 <211> LENGTH: 9  
235 <212> TYPE: PRT  
236 <213> ORGANISM: Canis familiaris  
238 <400> SEQUENCE: 19  
239 Cys Ser Asn Pro His Val Thr His Cys  
240 1 5  
242 <210> SEQ ID NO: 20  
243 <211> LENGTH: 9  
244 <212> TYPE: PRT  
245 <213> ORGANISM: Canis familiaris  
247 <400> SEQUENCE: 20  
248 Cys Ser His Pro His Leu Thr His Cys  
249 1 5  
251 <210> SEQ ID NO: 21

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252 <211> LENGTH: 9
253 <212> TYPE: PRT
254 <213> ORGANISM: Canis familiaris
256 <400> SEQUENCE: 21
257   Cys Ser Asn Pro His Ile Thr Gln Cys
258     1             5
260 <210> SEQ ID NO: 22
261 <211> LENGTH: 9
262 <212> TYPE: PRT
263 <213> ORGANISM: Canis familiaris
265 <400> SEQUENCE: 22
266   Cys Met Asn Pro His Ile Thr His Cys
267     1             5
269 <210> SEQ ID NO: 23
270 <211> LENGTH: 9
271 <212> TYPE: PRT
272 <213> ORGANISM: Canis familiaris
274 <400> SEQUENCE: 23
275   Cys Thr Asn Pro His Asn Pro Tyr Cys
276     1             5
278 <210> SEQ ID NO: 24
279 <211> LENGTH: 9
280 <212> TYPE: PRT
281 <213> ORGANISM: Canis familiaris
283 <400> SEQUENCE: 24
284   Cys Pro Asn Pro His Asn Pro Tyr Cys
285     1             5
287 <210> SEQ ID NO: 25
288 <211> LENGTH: 9
289 <212> TYPE: PRT
290 <213> ORGANISM: Canis familiaris
292 <400> SEQUENCE: 25
293   Cys His Pro His Leu Pro Lys Arg Cys
294     1             5
296 <210> SEQ ID NO: 26
297 <211> LENGTH: 17
298 <212> TYPE: PRT
299 <213> ORGANISM: Canis familiaris
301 <400> SEQUENCE: 26
302   Tyr Cys Arg Val Thr His Pro His Leu Pro Lys Asp Ile Val Arg Ser
303     1             5             10             15
304   Ile
307 <210> SEQ ID NO: 27
308 <211> LENGTH: 17
309 <212> TYPE: PRT
310 <213> ORGANISM: Homo sapiens
312 <400> SEQUENCE: 27
313   Gln Cys Arg Val Thr His Pro His Leu Pro Arg Ala Leu Met Arg Ser
314     1             5             10             15

```

RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2, 3 ✓  
Seq#:2; Xaa Pos. 3, 4 ✓  
Seq#:3; Xaa Pos. 2, 3, 6, 7 ✓  
Seq#:6; Xaa Pos. 2, 3, 6, 7, 8 ✓  
Seq#:9; Xaa Pos. 2, 5, 7, 8 ✓  
Seq#:33; N Pos. 136, 413, 414, 451, 460, 461, 462, 500, 530, 568, 847, 848, 849, 853  
Seq#:33; N Pos. 1382, 1832  
Seq#:33; Xaa Pos. 83, 175, 176  
Seq#:34; Xaa Pos. 83  
Seq#:35; Xaa Pos. 81, 82

**VERIFICATION SUMMARY**

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Input Set : A:\seqlisting.2002.09.04.txt

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L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:453 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:444  
L:459 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:450  
L:465 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:456  
L:465 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:462  
L:470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120  
M:341 Repeated in SeqNo=33  
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:80  
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:80